



U.S. Department of Energy
Technical Qualification Program

Industrial Hygiene Topical Area

Study Guide

<p>Appendix A Training-to-Competency Matrix</p>

November 1996

**DOE Technical Qualification Program
Training-to-Competency Matrix
Industrial Hygiene Qualification Standard**

Key: I = Introductory Level Material Only C = Covers the Competency for that Course Subject Only X = Generally Covers the Competency																											
Activity	Section 1.0																Section 2.0		Section 3.0		Section 4.0					GTBQS	Mech. Sys.
	1	2	3	4	5	6	7	8	9	11	12	13	14	15	16	1	2	1	2	3	4	5	8	9	5.5	2.19	
Course: <i>Applied Industrial Hygiene</i>	I	I	I		I	I		I		I	I	I	I	I		I									X		
Course: <i>Biohazards</i>	C	C	C		C	C	C	C																			
Course: <i>Comprehensive Review for Industrial Hygiene Professionals</i>	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X									X		
Course: <i>Direct Reading Air Sampling Instruments for Gases & Vapors</i>			X			X	X	X																			
Course: <i>Gas, Vapor & Particulate Sampling</i>			X			X	X	X																			
Course: <i>Air Sampling for Toxic Substances</i>			X			X	X	X																			
Course: <i>Industrial Hygiene Chemistry</i>							X																				
Course: <i>Industrial Hygiene Measurements</i>			X			X	X	X																			
Course: <i>Industrial Hygiene Engineering</i>										X	X		X														
Course: <i>Industrial Noise</i>	C	C	C	C	C	C										C											
Course: <i>Industrial Toxicology</i>	C	C	C	C	C	C																					
Course: <i>Industrial Ventilation</i>			X							X	X		X													C	
Course: <i>Nonionizing Radiation</i>	C	C	C	C	C	C										C											

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Course: <i>Principles of Ergonomics</i>	C	C	C	C	C	C										C											
Course: <i>Indoor Air Quality</i>	C	C	C	C	C	C										C											
Course: <i>Statistical Analysis for Industrial Hygiene Sampling & Decision Making</i>					X			X																			
Course: <i>Guide to Industrial Hygiene</i>	X	X	X	X	X	X				X	X		X			X									X		
Course: <i>Survey of Industrial Hygiene</i>	I	I	I	I	I	I				I	I	I	I			I									X		
Course: <i>Quantitative Industrial Hygiene</i>			X			X	X	X																			

Additional Activities:

Test: Test-Out, <i>Industrial Hygiene Qualification Standard</i> , Sections 1 through 5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Self-Study: Study Guide, <i>Industrial Hygiene Qualification Standard</i> , Sections 1 through 5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X



Course Vendors

Shaded courses are or have been taught by the OSHA Training Institute. Contact the address below or EH-74 to obtain a current schedule of courses and content.

U.S. Department of Labor
Occupational Safety and Health Administration
Office of Training and Education
OSHA Training Institute
1555 Times Drive
Des Plaines, IL 60018
(847) 297-4810

Unshaded courses are or have been taught by the National Institute for Occupational Safety and Health (NIOSH) in Cincinnati, Ohio; at NIOSH Education Resource Centers, and by the American Industrial Hygiene Association (AIHA). Some shaded courses have also been taught by these organizations. Contact the addresses below to obtain current schedules of courses and content.

The Deep South Center for Occupational
Health and Safety
University of Alabama
School of Public Health
Birmingham, AL 35294-0008
(205) 934-7178 / (205) 934-7032

University of California at Berkeley
School of Public Health
140 Warren
Berkeley, CA 94720
(510) 642-0761

University of Southern California
School of Medicine
Department of Preventative Medicine
1540 Alcazar Street
Suite 236
Los Angeles, CA 90033
(213) 342-1096

University of Cincinnati
Educational Resource Center
Office of Continuing Education
Department of Environmental Health
P.O. Box 670056
Cincinnati, OH 45267-0056
(800) 207-9399 / (513) 558-1749



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Great Lakes Center for Occupational and
Environmental Safety and Health
University of Illinois at Chicago
School of Public Health
2121 W. Taylor Street
Room 215, M/C 922
Chicago, IL 60612-7260
(312) 996-8842 / (312) 996-7887

Johns Hopkins Education Resource Center
Johns Hopkins University
School of Hygiene and Public Health
615 North Wolfe Street
Baltimore, MD 21205
(410) 955-3602

Harvard School of Public Health
Office of Continuing Education
655 Huntington Avenue
Boston, MA 02115-6023
(617) 432-1171 / (617) 432-3325

Michigan Educational Resource Center
University of Michigan
College of Engineering
Department of Industrial Operations
Engineering
1205 Beal Avenue
Ann Arbor, MI 48109
(313) 936-0761

Minnesota Educational Resource Center
University of Minnesota
School of Public Health
Minneapolis, MN 55455
(612) 626-0900

New York/New Jersey Educational
Resource Center
Department of Community Medicine
Mt. Sinai School of Medicine
P.O. Box 1057
10 E. 102nd Street
New York, NY 10029
(212) 211-4804

North Carolina Educational Resource Center
University of North Carolina
School of Public Health
Rosenau Hall, CB #7400
Chapel Hill, NC 27599-7400
(919) 966-3473

Texas Educational Resource Center
The University of Texas, Houston
Health Science Center
School of Public Health
P.O. Box 20186
Houston, TX 77225-0186
(713) 792-4638



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Utah Educational Resource Center
University of Utah
Rocky Mountain Center for Occupational
and Environmental Health
Building 512
Salt Lake City, UT 84112
(801) 581-8719

Washington Educational Resource Center
University of Washington
Department of Environmental Health
P.O. Box 35-7234
Seattle, WA 98195-7234
(206) 543-6991

American Industrial Hygiene Association
Continuing Education
2700 Prosperity Avenue
Suite 250
Fairfax, VA 22031
(703) 849-8888

Industrial Hygiene competencies 1.1 through 1.9 and 1.11 through 1.16 may also be demonstrated through completion of the AIHA Elemental Industrial Hygiene Home Study Course. Information about this course may be obtained from AIHA.